

## DAFTAR PUSTAKA

- Albeshti, R., Shahid, S., 2018, Evaluation of Microleakage in Zirconomer®: A Zirconia Reinforced Glass Ionomer Cement. *Acta Stomatol Croat.* 2018;52(2):97–104. doi:10.15644/asc52/2/2
- Alvarenga, F.A.S., Pinelli, C., Loffredo, L.C.M., 2015, Reliability of marginal microleakage assessment by visual and digital methods. *Eur J Dent.*;9(1):1–5. doi:10.4103/1305-7456.149628
- Anusavice, K.J., 2013, *Phillips' Science of Dental Materials*, 12th ed, Elsevier Saunders, Missouri, Hal. 63-65, 93-94, 100-104, 107-108, 474-482.
- Anusavice, K.J., , 2003, *Phillips Science of Dental Materials*. 10th ed. Philadelphia: W.B. Saunders. Co.
- Asti, Meizarini. , Irmawati, Irmawati., 2005, The surface hardness of type II conventional glass ionomer cement conventional because of the length of storage. <http://dx.doi.org/10.20473/j.djmk.v38.i3.p146-150>
- Avery, J.K., Deepali, S., Mithra, N., Hegde, 2005. Essentials of Oral Histology and Embryology: A Clinical Approach. *Coronal Microleakage of Four Restorative Materials Used in Endodontically Treated Teeth as A Coronal Barrier – An In Vitro Study*. St Louis: Mosby. 1992: 84–85,93–95,98.
- Berzins, D.W., 2010, Resin-modified glass-ionomer setting reaction competition. *J Dent Res.* 2010;89(1):82–86. doi:10.1177/0022034509355919
- Brzović-Rajić, V., Miletić, I., Gurgan, S., Peroš, K., Verzak, Ž., Ivanišević-Malčić, A., 2018, Fluoride Release from Glass Ionomer with Nano Filled Coat and Varnish. *Acta Stomatol Croat.* 2018;52(4):307–313. doi:10.15644/asc52/4/4
- Chu., Chia-Yi &Kuo., Tien-Chun & Chang., Shu-Fang & Shyu., 幼群 & Lin., C.-S. 2010. Comparison of the microstructure of crown and root dentin by a scanning electron microscopic study. *Journal of dental sciences.* 5. 14-20.
- Cedillo, V.J.J., Herrera, A.A., Farías, M.R., 2017, Enamel and dentin hybridization of high density glass ionomers; SEM study, *Rev ADM* 2017; 74 (4)
- Dahl, J.E., Orstavik, D., 2010. Responses of the pulp–dentin organ to dental restorative biomaterials. *Endodontic Topics*; 17;65-73.
- Daou, E., Al-Gotmeh, M., 2014: *Zirconia ceramic: a versatile restorative material*. *Dentistry Apr*;4(219):2161-1122. 1000219.

- Friedman, S., 2002 *Orthograde Retreatment. Dalam: Walton RE, Torabinejad M (ed). Principles and Practice of Endodontics 3rd ed*, Philadelphia: WB Saunders: 346-356.
- Garg, N., Garg, A., 2011, *Textbook of preclinical conservative dentistry*. India: Jaypee; 2011. p. 40,51,205-206.
- Gurgan, S., Kutuk, Z.B., Ergin, E., Oztas, S.S., Cakir, F.Y., 2015. *Four-year randomized clinical trial to evaluate the clinical performance of a glass ionomer restorative system. Oper Dent*;40:134–43.
- Gordan, V. V., M. A. Vargas., D. S. Cobb., G. E. Denehy., 1998, Evaluation of acidic primers in microleakage of Class 5 composite resin restorations. *Oper Dent*. 1998 Sep-Oct; 23(5): 244–249.
- Grossman, L.L., Oliet, S., Del Rio, C.E., 2013. *Ilmu Endodontik dalam Praktek Edisi:11. Terjemahan oleh Rafiah Abyono*. Jakarta: EGC
- Hooshmand, T., Hosseinzadeh, Nik. T., Farazdaghi, H., Mehrabi, A., Razavi, E.S., 2013, Effect of chlorhexidine-containing prophylactic agent on the surface characterization and frictional resistance between orthodontic brackets and archwires: an in vitro study. *Prog Orthod*. 2013;14(1):48. Published 2013 Nov 20. doi:10.1186/2196-1042-14-48
- Katsuyama, S., Tatsuya, I., Fujii, B., 1993, *GLASS IONOMER DENTAL CEMENT – The Materials and Their Clinical Use -*. Missouri: Ishiyaku EuroAmerica, Inc.
- Khoroushi., Maryam & Keshani., Fateme., 2013., A review of glass-ionomers: From conventional glass-ionomer to bioactive glass-ionomer. *Dental research journal*. 10. 411-420. 10.4103/1735-3327.118464.
- Kugel, G., Ferrari, M., 2000. *The science of bonding: From first to sixth generation. J Am Dent Assoc*; 131: 20-5.
- Kumar, A.A., Hariharavel, V.P., Narayanan, A., Murali, S., 2015. *Effect of protective coating on marginal integrity of nanohybrid composite during bleaching with carbamide peroxide: A microleakage study. Indian J Dent Res [serial online] [cited 2019 Apr 14];26:167-9. Available from: <http://www.ijdr.in/text.asp?2015/26/2/167/159150>*
- Lestari,sri., 2012, *Microleakage of restoration glass ionomer cement with Fuji II, Fuji VII (white) and Fuji VII (pink)*. *Stomatognatic (J.K.G Unej)* Vol. 9 No. 1 2012: 23-27
- McCabe, J.F., Walls, A., 2008, *Applied Dental Materials*. 9th ed. Singapore: Blackwell Publishing. 2008; 1,101-123.

- Meral, E., 2019, Shear bond strength and microleakage of novel glass-ionomer cements: An *In vitro* Study. *Nigerian Journal of Clinical Practice* : 2019: 22: 4: 566-572. DOI: 10.4103/njcp.njcp\_543\_18
- Mukuan, T., Abidjulu, J., dan Wicaksono, D. A., 2013, Gambaran Kebocoran Tepi Tumpatan Pasca Restorasi Resin Komposit pada Mahasiswa Program Studi Kedokteran Gigi Angkatan 2005-2007, *Jurnal e-Gigi (eG)*, 1 (2): 115-120.
- Nagy, Abdulsamee., dan Ahmed, Hosny Elkhadem., 2017: “*Zirconomer and Zirconomer Improved (White Amalgams): Restorative Materials for the Future. Review*”. *EC Dental Science* 15.4: 134-150.
- Nusrath, P., Koppolu, M., Chinni, S., Anumula, L., 2016, Comparison of Micro Leakage of Zirconia induced Glass ionomer and Flowable Composite as Coronal Orifice Barrier Materials- An in vitro Study. *Arch of Dent and Med Res* 2016;2(2):18-24.
- Patel, M.U., 2015: “*An in vitro evaluation of microleakage of posterior teeth restored with amalgam, composite and zirconomer - a stereomicroscopic study*”. *Journal of Clinical and Diagnostic Research* 9.7: ZC65-ZC67.
- Pires, Ricardo A., 2007 . *Structural and spatially resolved studies on the hardening of a commercial resin-modified glass-ionomer cement*. *J Mater Sci: Mater Med* (2007) 18:787–796DOI 10.1007/s10856-006-0010-4
- Rinastiti, M., M. Özcan., W. Siswomihardjo., H.J Busscher ., 2011, Effects of surface conditioning on repair bond strengths of non-aged and aged microhybrid, nanohybrid, and nanofilled composite resins. 2011.Clinical oral investigations 15 (5), 625-633
- Sagsen, B., 2016, The effects of different irrigation protocols on removing calcium hydroxide from the root canals.. *Niger J Clin Pract*. 2016 Jul-Aug;19(4):465-70. doi: 10.4103/1119-3077.183296.
- Santos, J., Tjäderhane, L., Ferraz ,C., Zaia, A., Alves, M., De Goes, M., 2010 *Long-term sealing ability of resin-based root canal fillings*. *Int Endod J*;43:455-60.
- Schwartz, R.S., Fransman ,R., 2005. *Adhesive dentistry and endodontics: materials, clinical strategies and procedures for restoration of access cavities: a review*. *J Endod*;31:151-65.
- Seltzer, Bwnder’s., 2002. *Dental Pulp*. *Quintessence Publishing Co, Inc, 551 Kimberly Drive, Carol Steam, IL 60188, J Endod*; 65-75
- Setya, Diana., 2014, Resin Modified Glass Ionomer Cement Sebagai Material Alternatif Restorasi Untuk Gigi Sulung. *Odonto : Dental Journal*. 1. 46. 10.30659/odj.1.2.46-51.

- Shameera, Asafarlal., 2017, Comparative Evaluation of Microleakage, Surface Roughness and Hardness of Three Glass Ionomer Cements – Zirconomer, Fujii IX Extra GC and KetacMolar: An In Vitro Study. Asafarlal, Dentistry 2017, 7:5 DOI: 10.4172/2161-1122.1000427
- Shetty, S., Hiremath, G., Yeli, M., 2017, A comparative evaluation of sealing ability of four root end filling materials using fluid filtration method: An *in vitro* study. *J Conserv Dent.* 2017 Sep-Oct;20(5):307-310. doi: 10.4103/JCD.JCD\_122\_17. Erratum in: *J Conserv Dent.* 2017 Nov-Dec;20(6):482. PMID: 29386776; PMCID: PMC5767823.
- Shipper, G., Teixeira, F.B., Arnold, R.R., Trope, M., 2005. *Periapical inflammation after coronal microbial inoculation of dog roots filled with gutta-percha or Resilon.* *J Endod*;31:91-6.
- Sidhu, S.K., Nicholson, J.W., 2016, A Review of Glass-Ionomer Cements for Clinical Dentistry. *J Funct Biomater.* 2016;7(3):16. Published 2016 Jun 28. doi:10.3390/jfb7030016
- Tanumiharja, M., Burrow, M.F., Cimmino, A., Tyas, M.J., 2001. *The Evaluation of Four Conditioner for Glass Ionomer Cement Using Field-Emission Scanning Electron Microscopy.* *J Dent*;29:131–138
- Tselnik, Marat., 2004, Bacterial Leakage with Mineral Trioxide Aggregate or a Resin-Modified Glass Ionomer Used as a Coronal Barrier. 2004. *Journal of Endodontics*, Volume 30, Issue 11, 782 - 784
- Upadhya, P.N., dan Kishore, G., 2005. Glass ionomer cement - The different generations. *Trends in Biomaterials and Artificial Organs*, 18(2), 158-165.
- Wahab, F., Abu-Tabra, I., dan Amin, W., 2014. An In Vitro Study of Micro Leakage of Different Types of Composites with Respect to Their Matrix Compositions. *Journal of Advances in Medicine and Medical Research*, 4(9), 1908-1922. <https://doi.org/10.9734/BJMMR/2014/7790>